

Questions on homework?



$$SA = 2\pi \cdot r \cdot r + 2\pi \cdot r \cdot h$$

$$22 \text{ in} \quad SA = \underbrace{2\pi \cdot 13 \cdot 13} + \underbrace{2\pi \cdot 13 \cdot 22}$$

$$SA = \underline{1061.86} + \underline{1796.99}$$

$$SA = 2858.85 \text{ in}^2$$

$$V = \pi \cdot r \cdot r \cdot h$$

$$V = \pi \cdot 5 \cdot 5 \cdot 18$$

$$V = 1413.72 \text{ cm}^3$$

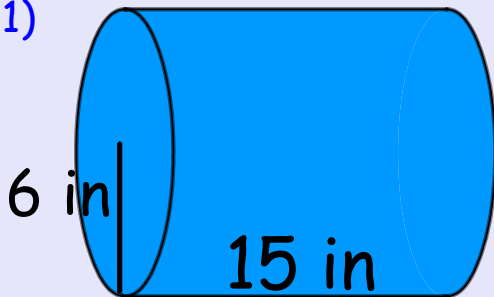
Review:
Finding the
Volume of
Cylinders

What does your Math Dictionary say?
(HINT: Check the formula page.)

Formula: $V = \pi \cdot r \cdot r \cdot h$

Examples & what your work should look like . . .

1)

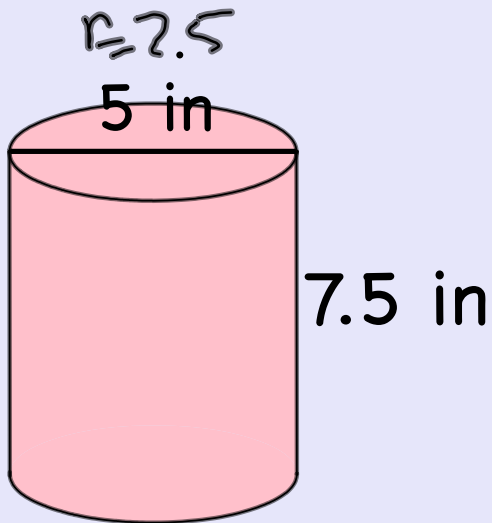


$$r = 6 \text{ in}$$
$$h = 15 \text{ in}$$

$$V = \pi \cdot r \cdot r \cdot h$$
$$V = \pi \cdot 6 \cdot 6 \cdot 15$$
$$V = 1696.46 \text{ in}^3$$

Answer

2)



$$V = \pi \cdot r \cdot r \cdot h$$

$$V = \pi \cdot 2.5 \cdot 2.5 \cdot 7.5$$

$$V = 147.26 \text{ in}^3$$

Answer